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 irradiating articles with electrons etc. - by conveying articles  
 through irradiation zone where basic and adjustable supplementary  
 feeders supply protective gas to exclude oxygen  
 C89-114297 R(AT BE CH DE ES FR LI NL)

Articles are irradiated with electrons and/or electromagnetic radiations in a continuous process in a protective gas, using inlet, treatment, and outlet zones. An additional quantity of the gas is supplied to the process besides a constant basic quantity, in phases depending upon the flow of the articles through the treatment apparatus.

#### ADVANTAGES

The process is a reliable and economical method of producing an atmosphere of protective gas for the treatment (i.e. free from oxygen).

#### PROCESS

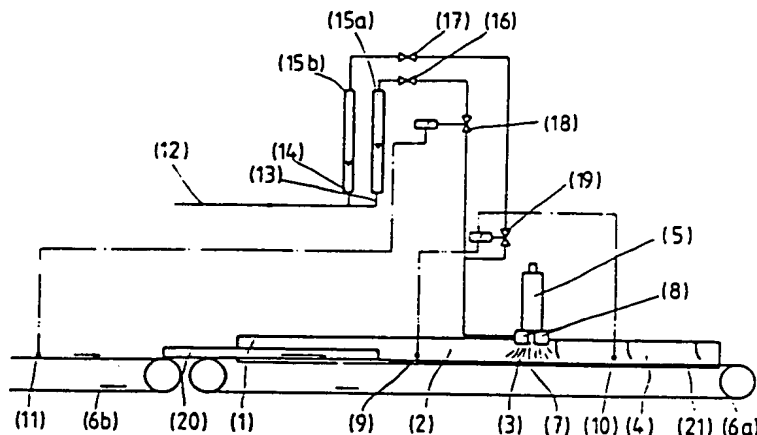
The figure shows the procedure of irradiating articles (20) with electrons, divided into the inlet (2), treatment (3) and outlet (4) zones. The articles (20) are transported through by a conveyor belt (6a) and irradiated by the device

(5). The gas is fed in immediately by the irradiation from two feeders (8).

Photoelectric cells (9, 10, 11) locate the articles at different stages. Gas is supplied by (12) a basic feeder (12) plus supplementary feeder (14) through flow meters (15a, 15b) and adjustable valves (16, 17) plus magnetic valves (18, 19) which latter are controlled by the signal transmitters (9, 10, 11) (6pp1007PADwgNo1/3).

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